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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/13522

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12Q 1/25, 1/68; G01N 33/53						
US CL	US CL : 435/4, 6, 7.1					
	According to International Patent Classification (IPC) or to both national classification and IPC					
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Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/4, 6, 7.1						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet						
C. DOC	JMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where ap		Relevant to claim No.			
A	COSTELLO, J.F. et al. Methylation Matters. Journ	al of Medical Genetics. May 2001,	1-9, 11-13, 16-24, 31-			
.,	Vol. 38, No. 5, pages 285-303, especially pages 285 FLORL, A.R. et al. DNA Methylation and Expressi	7, 288 and 290.	39 1, 2, 4, 8, 16-19 and			
X	Sequences in Urothelial and Renal Cell Carcinomas.	British Journal of Cancer. July 1999,	22			
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X, P	X, P SEIFARTH, W. Assessment of retroviral activity using a universal retrovirus chip. Journal of Virological Research. September 2003, Vol. 112, No. 1-2, pages 79-91, especially pages 83 and 89.		1-4, 6, 8, 31-33 and 35			
	especially pages as and os.					
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Furthe	r documents are listed in the continuation of Box C.	See patent family annex.				
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1	a published prior to the international filing date but later than the	"&" document member of the same patent	Family			
briotiú, que claimed						
Date of the actual completion of the international search		Date of mailing of the international sea	reh report T 2004			
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Name and mailing address of the ISA/US Mail Stop PCT, Aun: ISA/US		Authorized officer Jennifer Dunston 7. Ribbe	to I			
Commissioner for Patents		Jennifer Dunston . 1000	w 701			
P.O. Box 1450 Alexandria. Virginia 22313-1450		Telephone No. 571-272-1600	υ			
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Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

Interi	upplication No.
DOT	11004112522

	No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first		
sheet) This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1.		Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:		
2.		Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:		
3.	6.4(a).	Claims Nos.: 10,14,15,25-30 and 40-42 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule		
Box	No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)		
	Internat	As all required additional search fees were timely paid by the applicant, this international search report covers all		
2. 3.		searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:		
4.		No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:		
Rei	nark on	Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.		

Form PCT/ISA 210 (continuation of first sheet(2)) (January 2004)

INTERNATIONAL SEARCH REPORT	PCT/US04/13522				
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Continuation of B. FIELDS SEARCHED Item 3:					
EAST, MEDLINE, CAPLUS search tems: transposon, transposable element, ERV, SINE, LINE, expression, microarray, methylation, methylation-specific PCR, chromatin immunoprecipitation, cancer, carcinoma, sarcoma, fibroma, teratoma, blastoma					
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